Declassified in Part - Sanitized Copy Approved for Release 2014/05/12 : CIA-RDP78-03153A000700020030-2 **JEUNE I** 50X1 Deputy Assistant Director for Communications Jule: Commo Deputy Chief. Engineering Division TSS/Commo Meeting of 12 January 1954. 1. The first of a series of meetings between TSS and OC-E was held on Tuesday, 12 January 1954 at 2 p.m. in the TSS offices. Present from TSS were the following: , Chief, Applied Physics Division 50X1 Deputy Chief, Applied Physics Division Applied Physics Division 50X1 Similar Representing CC-E were meetings will be held monthly and will be supplemented by additional conferences as necessary between regularly scheduled meetings. 2. The following subjects were discussed in some detail. TSS indicated were both doing some equipment develop- 50X1 that ment for TSS, utilizing transistors. is producing a 5 to 50X1 11 MC receiver, one model of which has already been tested by the Communications Research and Development Laboratory. TSS is not overly enthusiastic about the performance of this receiver but indicates that it may be useful for some purposes such as throw-away receivers, etc. The develop- 50X1 ment is directed towards the production of a 100 MG transmitter with approximately 30 milliwatt output. This transmitter would be used in surveillance operations. A similar transistorised transmitter is to be constructed by 50X1 No details on the latter unit were obtained. who act as a cut out for TSS, is having a time-signal receiver 50X1 built that is a single frequency unit operating on 5 MC to permit reception of time signals. TSS also stated that is working on audio units, pre-50X1 amplifiers and related equipments which can be used as surveillance devices. INFRARED TSS expects to receive five sets of infrared communications equipment within approximately 120 days, each set being a two-way system. This infrared communications equipment is expected to have a range of approximately 400 ft. The contractor for this equipment is the 50X1 Shops. A second infrared development contract is held by 50X1 equipment, which will be delivered in approximately one year, will have a six mile minimum range. One end of this system will consist of two units, each approximately 1 cubic foot in size.

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stated that the only beacon proceed the radar type. One contract which the Air Force one with Air-borne Instrument Laborate units of this X-band transponder have been of it was mentioned that Yardney silvercells were to the ground equipment and that some difficulties to the failure of these cells. is contained in the contract of the cells.	n they have been following is pratory, Mineola, New York. delivered to the Air Force. used as a power supply for	50X1
VHF TRANSCEIVERS		
TSS and the FBI have consolidated their rectype VHF transceivers and have placed contracts for delivery of such equipments. The power out; be in the vicinity of 50 milliwatts; these sets to the Motorola "Handy-Micro-Talkie" Model No. I investigated some time ago by CC-B. The latter only and would thus have limited applications for However, the transceivers now being developed for ity in border crossing operations, and this developed y monitored by CC-B.	with the put of these transceivers will are similar in many respects [13T-1 and X13T-2 which were sets proved to be transmitted or communications purposes. or TSS may be of possible util	rs
BATTERY/CEMERATOR PROBLEMS		
indicated that he believed it representatives at TSS and OC-E/R&D to exchange dry battery developments and hand or gasolina pothat such an exchange of information would beneforganization can devote the full time services cless.	information on storage and owered generators. He felt fit both parties since neither	50X1
3. During the course of our discussions will apparent that a considerable amount of our liais	son with TSS should be con-	50X1
ducted with the Audio Support Division of that of sion of our talk with we met brief! Audio Support Division of TSS, who was most core business.	ly with Chief.	50X1
introduced	Chief of the Profession	50X1
Branch of ASD, who turned out to be an old Havy		50X1

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the late hour, arrangements were made to inspect existing ASD equipment at a later date and at the same time to go over the plans for future developments

(we anticipate excellent future relationships with . In view of 50X1

including VHF transceivers and pocket recording devices.

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or eliminate the so- to one particular seg I expounded to both g ties involving the tr incidental thereto ar Communications in ord	n TSB and Commo in the future would serve to minimise alled "gray areas" now in existence. With reference ment of this gray area, VMF border crossing transmitters entlemen individually the philosophy that such activitansmission of operational intelligence or intelligence accessidered to be in the province of the Office of er that (a) cryptographic security may be maintained ssion security may be afforded. It was mutually agreed	1,
that the employment o	f Wif transceivers for surveillance type activities duire coordination with the Office of Communications:	50
_	has asked that the next meeting of the limison group	50
have the next meeting ask that representati	er 25 February to permit his attending. We plan to in the Engineering Offices at Alcott Well. We shall was from both the Applied Physics Division and the Audio SS be present at our mext meeting.)

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